



North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

June 26, 2008

Mr. Joe Cherry
Lee County Public Works Department
805 S Fifth Street
Sanford, NC 27330

Re: Methane Monitoring
Lee County Landfill, Permit #53-01

Dear Mr. Cherry:

The Solid Waste Section has reviewed the *June 3, 2008 Methane Monitoring Status* report submitted on behalf of Lee County by Terraquest Environmental Consultants, PC (Terraquest) for the Lee County Landfill (closed MSW and active C&D). During the May 21, 2008 bi-weekly methane monitoring event, methane monitoring probes M8, M28, and M29 (all screened within the vadose zone) again had lower explosive limit (LEL) violations near the northern property boundary.

Pursuant to Solid Waste Management Rules 15A NCAC 13B .0503 (2)(a) - the concentration of explosive gases generated by the site shall not exceed:

- (i) twenty-five percent of the limit for the gases in site structures (excluding gas control or recovery system components); and
- (ii) the lower explosive limit for the gases at the property boundary.

Terraquest is therefore requesting the conversion of methane monitoring probes M8, M28, and M29 into venting probes (passive methane vents), installation of two remedial venting wells, and one additional methane assessment well. Bi-weekly methane monitoring of LEL violation probes will continue. As a result, the request is approved as described. Please call me at (919) 508-8500 if you have any questions or concerns regarding this letter. Thank you for your continued cooperation in this matter.

Sincerely,

Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: Ryan Kerins, Terraquest
Mark Poindexter, Field Operations Supervisor
Robert Hearn, Environmental Senior Specialist
Jason Watkins, Central District Supervisor
Solid Waste Central Files